Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/28/2019 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124713	-1	1.41	124783	1.40
Blue	F	SSC	125000	123943	-1	1.51	124772	1.53
Blue	E	FITC	16122	15661	-3	2.70	341	19.77
Blue	D	PE	29316	28806	-2	1.92	627	14.32
Blue	B	PerCP-Cy5-5	42590	41943	-2	3.62	1126	20.55
Blue	A	PE-Cy7	33146	33133	-1	6.06	629	41.08
Red	C	APC	45473	45143	-1	2.41	1595	12.23
Red	A	APC-Cy7	31961	30942	-4	2.34	823	11.85
Violet	B	V450	7914	7552	-5	4.54	427	13.13
Violet	A	V500	29769	28638	-4	4.26	667	10.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20755	3.59	606	6	N/A	N/A	Pass
Blue	F	SSC	56446	1.07	550	12	N/A	N/A	Pass
Blue	E	FITC	63	63.54	539	2	0.0212	179	Pass
Blue	D	PE	131	49.42	542	5	0.1849	321	Pass
Blue	B	PerCP-Cy5-5	207	48.70	647	9	0.0087	8	Pass
Blue	A	PE-Cy7	118	98.84	700	9	0.0107	8	Pass
Red	C	APC	379	25.26	586	7	0.0237	116	Pass
Red	A	APC-Cy7	181	28.29	561	5	0.0056	908	Pass
Violet	B	V450	67	58.87	464	4	0.0566	2487	Pass
Violet	A	V500	99	34.10	476	4	0.0228	811	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.14	-31.75	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.69	13.60 - 20.40	N/A	N/A	29.37	29.76	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10397

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments